

NWS Form E-5

(04-2006)

(PRES. BY NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)

San Angelo, TX

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

YEAR

December 2011

TO: Hydrologic Information Center, W/OS31
NOAA's National Weather Service
1325 East West Highway
Silver Spring, MD 20910-3283

SIGNATURE

Jason Johnson

DATE

January 20, 2012

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

☒ An X inside this box indicates that no flooding occurred within this hydrologic service area.

The month of December broke the long run of mostly warm and extremely dry weather across the San Angelo hydrologic service area (HSA). During the month, several upper level storm systems swept across the state and several strong cold fronts made their way into the region.

On the 3rd of the month, a Pacific cold front moved into the region causing showers and thunderstorms to develop mainly along and south of a Sonora to Miles to Cross Plains line. Precipitation amounts ranged from 1 to 3 inches. On the 5th, colder temperatures arrived and a snow event occurred across parts of the Big Country, Concho Valley and northern Heartland. Across the Big Country, the snowfall amounts were mostly in the range of 1-2 inches. The heaviest amounts of three inches or, slightly more, occurred along the Interstate 20 corridor. In Abilene, the official snowfall amount was 1.3 inches. Farther south across Sterling, Coke, Coleman, northern Tom Green, and northern Concho Counties, the amounts ranged from a trace to one inch. A couple more widespread, light precipitation events occurred between the 19th and the 25th. Each event brought generally 0.01 to 0.25 of an inch to the region.

The San Angelo Regional Airport received 1.00 inch of precipitation during December, which was 0.15 of an inch above normal for the month. The monthly normal rainfall for San Angelo in December is 0.85 of an inch. Total precipitation for the year was 9.23 inches. The normal annual precipitation for San Angelo is 21.25 inches.

The Abilene Regional Airport received 1.93 inches of precipitation during December, which was 0.70 of an inch above normal for the month. The monthly normal rainfall for Abilene in December is 1.23 inches. Total precipitation for the year was 16.83 inches. The normal annual precipitation for Abilene is 24.82 inches.

Junction received 1.86 inches of precipitation during December. The estimated average monthly rainfall in December is about 1.3 inches. Junction received 11.10 inches of precipitation during the year. The normal annual precipitation for the Junction area is about 24.53 inches.

Reservoir Conditions (end of December, 2011)

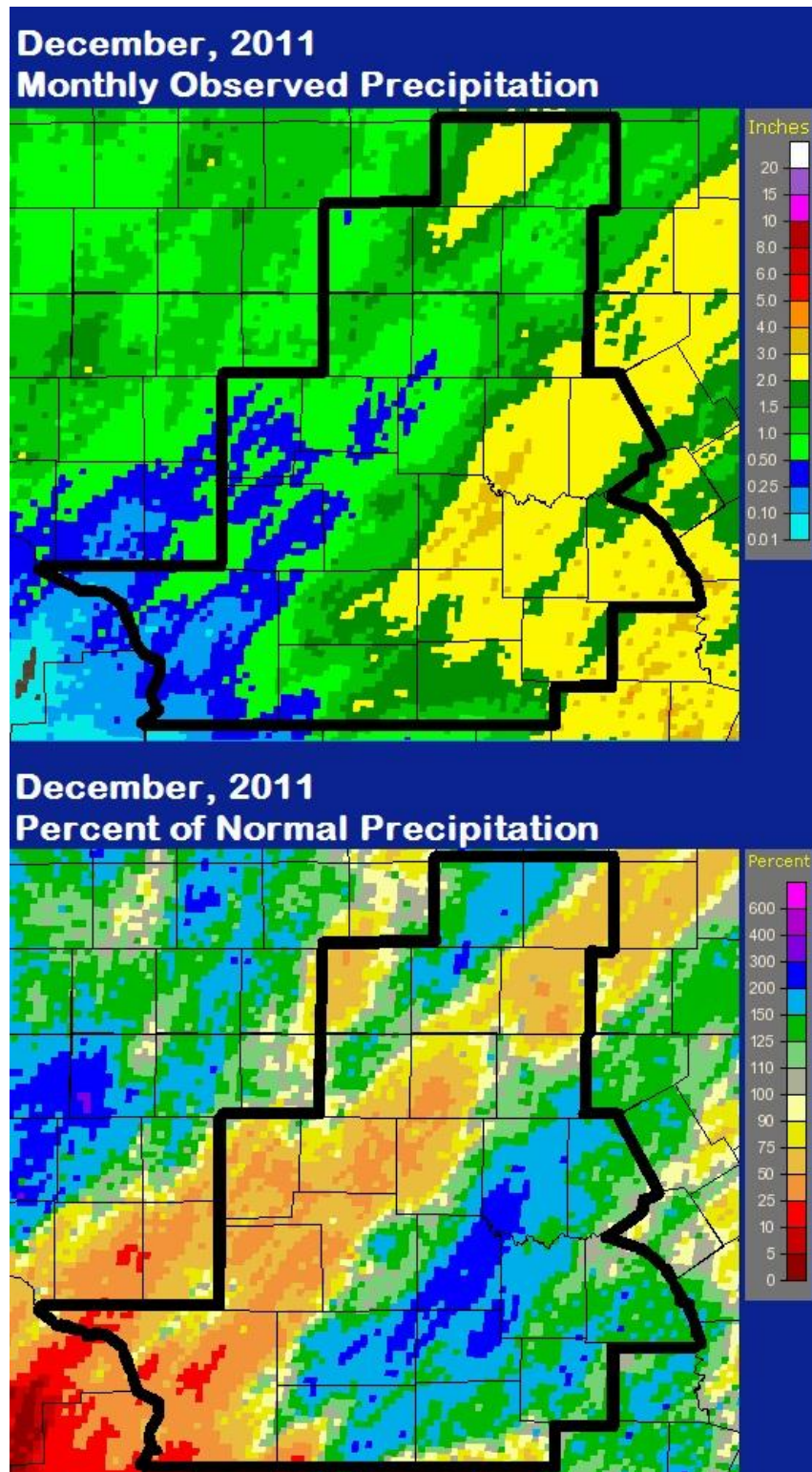
Reservoir	Conservation Capacity (Ac-Ft)	End of Month Capacity (Ac-Ft)	Percent of Capacity (%)
Fort Phantom Hill	70,030	37,460	53
Lake Stamford	52,700	27,320	53
Hubbard Creek Lake	317,800	145,300	46
Hords Creek Lake	8,800	2,020	25
Lake Brownwood	131,428	52,110	40
E.V. Spence	488,760	2,200	0
O.C. Fisher	119,200	1,000	0
O.H. Ivie	554,340	99,520	18
Twin Buttes	177,800	10,730	6

Hydro Products Issued

ESF = 2 (Probabilistic Forecast)

The NWS precipitation analysis can be viewed at <http://water.weather.gov/>.

The total monthly precipitation estimate and percent of normal precipitation for December across the San Angelo HSA is depicted below.



With the increase in moisture during the month, drought conditions improved over some areas in the HSA. The U.S. Drought Monitor depicted severe to exceptional drought conditions across the San Angelo HSA.

